

Amendments to the specification:

Please replace the paragraph on page 11, line 13, with the following paragraph:

Figures 8A-C provide a sequence alignment of human CNG channels CNGA1 (SEQ ID NO: 9), CNGA2 (SEQ ID NO: 10), CNGA3 (SEQ ID NO: 11), CNGB1 (SEQ ID NO: 12), CNGB2 (SEQ ID NO: 13) and CNGB3 (SEQ ID NO: 14). A consensus sequence of this multiple alignment is also shown (SEQ ID NO: 19).

Please replace the paragraph on page 11, line 14, with the following paragraph:

Figures 9A-B provide a sequence alignment of ~~mammalian~~ CNGA2 channels from the following mammals: human (SEQ ID NO: 10), rat (SEQ ID NO: 2), mouse (SEQ ID NO: 15), rabbit (SEQ ID NO: 16) and bull (SEQ ID NO: 17). A consensus sequence of this multiple alignment is also shown (SEQ ID NO: 18).

Please replace the sequence listing filed with the application with the attached Substitute Sequence Listing.